

Patent Claims

1. Method for setting operational parameters of a mobile terminal (MS) having operational parameter settings (BPE), which depend on a location zone (110; 210) of the terminal (MS), wherein a zone information (BI) being wirelessly transmitted in a limited transmission area (110; 240) is allocated to the location zone (110, 210), and wherein the mobile terminal (MS) comprises a first transmission means (Ü1) and a second transmission means, wherein the second transmission means is provided for a communication with a mobile radio system, said method comprising the steps
 - receiving the zone information (BI) by the mobile terminal (MS),
 - determining operational parameters in the terminal (MS) by means of the received zone information (BI),
 - setting the determined operational parameters as operational parameters of the terminal (MS), such that the communication with the mobile radio system is provided by means of the first transmission means (Ü1).
2. Method according to claim 1, wherein the terminal (MS) transmits a zone information request (450).
3. Method according to claim 1 or 2, wherein zone information (BI) and operational parameters are allocated to each other and stored in the terminal (MS), the determination of the operational parameters is realized by comparing the received zone information with stored zone information for determining a correspondence, and wherein the operational parameters allocated to the corresponding zone information are determined as operational parameters.
4. Method according to claim 1, 2 or 3, wherein an interpretation provision is stored in the terminal (MS), and wherein the determination of the operational parameters is realized by interpreting the received zone information by means of the interpretation provision.

5. Method according to one of claims 1 to 4, wherein the setting of the determined operational parameters is realized by storing a status information in a status information memory of the terminal (MS).
6. Method according to one of the claims 1 to 5, wherein the first transmission means is a short range transceiver.
7. Method according to one of the preceding claims, wherein the second transmission means is deactivated by setting the operational parameters.
8. Method according to one of the preceding claims, wherein the received zone information (BI) comprises several zone types.
9. Method according to one of the preceding claims, wherein the zone information (BI) is received by the first transmission means (Ü1).
10. Method according to one of the preceding claims, wherein the mobile terminal (MS) determines a distance parameter value, and wherein the steps of determining operational parameters in the terminal (MS) and setting the determined operational parameters are performed if the distance parameter value indicates that the mobile terminal (MS) is located within the location zone (110;210).
11. Method according to claim 10, wherein the distance parameter value is determined by means of a location information (GPS).
12. Method according to claim 10 or 11, wherein the distance parameter value is determined by means of a signal received from a sender signaling the zone information (BI).
13. Method according to any of the claims 10 to 12, wherein the indication, whether the mobile terminal (MS) is located within the location zone (110;210) is determined by comparing the distance parameter value with a reference value.

14. Method according to claim 13, wherein the reference value is negotiated between the mobile terminal (MS) and a sender signaling the zone information (BI).
15. Method according to one of the preceding claims, wherein the switchover to the first transmission means is performed on a user request.
16. Mobile terminal (MS) having operational parameter settings (BPE), which can be set by means of a wirelessly transmitted zone information (BI), comprising
 - a status memory (SP) indicating the operational parameters presently valid for the terminal (MS),
 - a first transmission means (Ü1) for receiving the zone information,
 - a computer unit (RE) determining operational parameters by means of the received zone information (BI) and setting them as operational parameters for the terminal by means of the status memory (SP).
 - a second transmission means for the communication with a mobile radio network,
 wherein the communication with the mobile radio system is adapted to be provided by means of the first transmission means (Ü1).
17. Mobile terminal (MS) according to claim 16, wherein the second transmission means is adapted to be deactivated by setting the operational parameters.
18. Mobile terminal (MS) according to claim 16 or 17, wherein the first transmission means (Ü1) transmits a zone information request.
19. Mobile terminal (MS) according to claim 16, 17 or 18, comprising a zone information memory, in which zone information (BI) and operational parameters are allocated to each other and stored, and wherein the computer unit (RE) detects a correspondence between the received zone information and a stored zone information by means of comparison and determines the operational parameters allocated to the corresponding zone information as operational parameters.

20. Mobile terminal (MS) according to one of the claims 16 to 19, wherein the computer unit (RE) determines operational parameters from the received zone information (BI) by means of an interpretation provision.
21. Mobile terminal according to one of the claims 16 to 20, wherein the first transmission means is a short range transceiver.
22. Mobile terminal (MS) according to one of the claims 16 to 21, adapted to determine a distance parameter value indicative for a distance of the mobile terminal to the location zone.
23. Mobile terminal (MS) according to one of the claims 16 to 22, adapted to determine an indication, whether the mobile terminal is located within a location zone (110;210), by comparing the distance parameter value with a reference value.
24. Mobile terminal according to one of the claims 16 to 23, adapted to negotiate the reference value with a zone information transmitter.
25. Mobile terminal according to one of the claims 16 to 24, adapted to perform the switchover to the first transmission means on request of a user.
26. Zone information transmitter (BSB) for signaling a zone information (BI) for setting operational parameters of a mobile terminal (MS), comprising
 - a first transmission means (UA) receiving a zone information request (BI) and wirelessly sending out an allocated zone information (BI) in a limited transmission area (110, 210),
 - a zone information memory (BIS) storing zone information data, and
 - a computer unit (REB) determining by means of the stored zone information data the zone information (BI), which is allocated to the zone information request.
27. Zone information transmitter (BSB) according to claim 26, wherein the zone information transmitter (BSB) is mobile.

28. Zone information transmitter (BSB) according to claim 26 or 27, wherein zone information requests and zone information (BI) are allocated to each other and stored in the zone information memory (BIS), and wherein the computer unit (REB) detects a correspondence between the received zone information request and a stored zone information request by means of comparison and determines the zone information allocated to the corresponding zone information request as zone information to be sent.
29. Zone information transmitter (BSB) according to one of claims 26 to 30, wherein the computer unit (REB) determines the zone information (BI) by means of an interpretation provision.
30. Zone information transmitter (BSB) according to one of claims 26 to 29, adapted to negotiate a reference value with the mobile terminal (MS), wherein said reference value is provided for a comparison with a distance parameter value to indicate whether the mobile terminal (MS) is located within the location zone (110;210).
31. Zone information transmitter (BSB) according to one of claims 26 to 30, comprising a second transmission means (UB) for the communication with a mobile radio network.
32. Method for setting operational parameters of a mobile terminal (MS) having operational parameter settings (BPE), which depend on a location zone (110; 210) of the terminal (MS), wherein a zone information (BI) being wirelessly transmitted in a limited transmission area (110; 240) is allocated to the location zone (110, 210), comprising the steps
 - receiving the zone information (BI) by the terminal (MS),
 - determining a distance parameter,
 - if the distance parameter indicates that the mobile terminal (MS) is located within the location zone (110;210), performing the steps of
 - determining operational parameters in the terminal (MS) by means of the received zone information (BI), and

- setting the determined operational parameters as operational parameters of the terminal (MS).
33. Computer program capable of being loaded into an internal memory of a digital computer unit and comprising software code parts being suited to perform the steps according to one of claims 1 to 15 and 32, if the computer program is executed on the computer unit.
34. Computer program according to claim 33, wherein the computer program is stored on a computer-readable medium.